SUPRANEL CuNi7

SUPRANEL CuNi7 is a basic-coated MMA electrode for alloy types CuNi 70-30 or CuNi 90-10. Suitable for joining and surfacing, the weld metal has an excellent resistance to salt water corrosion.
Applications include offshore construction, desalination plant, evaporators, condensers etc, in salt and sea water processing systems and shipbuilding.
SUPRANEL CuNi7 is suitable for surfacing and cladding provided the need for an appropriate buttering layer is addressed, normally either alloy 400 or pure nickel.

Electrode suitable for welding and facing alloys with the same composition. Excellent mechanical characteristics of the deposit.

Classification	
AWS	A5.6: E CuNi

Chemical analysis (Typical values in %)

C	Mn	Si	P	S	Ni	Cu	Fe	Ti	Pb
0.01	1.4	0.02	≤ 0.02	≤ 0.01	29.5	Rem	0.5	≤0.5	≤ 0.02

All-weld metal Mechanical Properties

Heat Treatment	Tensile Strength (MPa)	Elongation A5 (%)
As Welded	≥ 350	≥ 20

Materials

2.0872 (CuNi10Fe1Mn9); 2.0882 (CuNi30Mn1Fe)

UNS C70600; UNS C71500

Storage

Keep dry and avoid condensation.
Re-drying not generally required.
Re-dry at 300-350°C for 1 hour, 5 times max.

Current condition and welding position

DC+

Packaging data

Diam. (mm)	Length (mm)	Current (A)	Approx. weightn(kg/1000)	VPMD	
				PC	Code
2.5	300	50-70	17.8	100	W000288099
3.2	350	75-100	35.4	60	W000288100